

Title (en)

HEART VALVE ANCHORING DEVICE

Title (de)

HERZKLAPPENVERANKERUNGSVORRICHTUNG

Title (fr)

DISPOSITIF D'ANCRAGE DE VALVULE CARDIAQUE

Publication

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Application

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Abstract (en)

The present invention relates to an anchoring system (11) comprising an anchoring device (1), a prosthetic heart valve support (12), preferably made of a continuous mesh or laser cut, and a prosthetic heart valve (13) mounted in the prosthetic heart valve support (12) wherein the anchoring device (1) is characterized by a double wall made of a braided mesh and a groove for accommodating the native valve.

IPC 8 full level

A61F 2/24 (2006.01)

CPC (source: EP US)

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A61F 2250/006 (2013.01 - EP US); **A61F 2250/0063** (2013.01 - US); **A61F 2250/0069** (2013.01 - EP US)

Citation (applicant)

- US 5840081 A 19981124 - ANDERSEN HENNING RUD [DK], et al
- WO 2009106545 A1 20090903 - JENAVALVE TECHNOLOGY INC [US], et al
- WO 0164137 A1 20010907 - FRAUNHOFER GES FORSCHUNG [DE], et al
- WO 2006128185 A2 20061130 - HEART LEAFLET TECHNOLOGIES INC [US], et al
- NKOMO, VT. ET AL.: "Burden of valvular heart disease: a population-based study", THE LANCET, vol. 368, no. 9540, 2006, pages 1005 - 1011
- MIRABEL, M. ET AL.: "What are the characteristics of patients with severe, symptomatic, mitral regurgitation who are denied surgery", EUROPEAN HEART JOURNAL, vol. 28, 2007, pages 1358 - 1365

Citation (search report)

- [X] US 2013204357 A1 20130808 - THILL GARY A [US], et al
- [X] WO 2012178115 A2 20121227 - ROSENBLUTH ROBERT [US], et al
- [X] US 2013282110 A1 20131024 - SCHWEICH JR CYRIL J [US], et al
- [A] US 2013304200 A1 20131114 - MCLEAN MATT [US], et al
- [A] US 2009222082 A1 20090903 - LOCK JAMES E [US], et al

Cited by

CN112739293A; US11793640B2; US12109111B2; US11419720B2; US11357622B2; WO2020157018A1; US11389291B2; US11737872B2;
US11464631B2; US11491006B2; US11413139B2; US12053369B2; US11497602B2; US11779742B2; US11602429B2; US11998447B2;
US10940001B2; US11311376B2; US11389294B2; US11617650B2; US11931254B2

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CA 2936700 A1 20150723; CN 106163452 A 20161123; CN 106163452 B 20181214; EP 3071151 A1 20160928; EP 3071151 B1 20170726;
EP 3202371 A1 20170809; EP 3202371 B1 20201216; EP 3804660 A1 20210414; IL 246700 A0 20160831; JP 2017505208 A 20170216;
JP 6479043 B2 20190306; US 10039639 B2 20180807; US 10610355 B2 20200407; US 11369468 B2 20220628; US 12064345 B2 20240820;
US 2016331529 A1 20161117; US 2017216027 A1 20170803; US 2020188102 A1 20200618; US 2022257377 A1 20220818;
WO 2015107226 A1 20150723

DOCDB simple family (application)

EP 14151825 A 20140120; AU 2015207476 A 20150120; BR 112016016729 A 20150120; CA 2936700 A 20150120;
CN 201580005095 A 20150120; EP 15702169 A 20150120; EP 17160915 A 20150120; EP 2015051037 W 20150120; EP 20209928 A 20150120;
IL 24670016 A 20160711; JP 2016564413 A 20150120; US 2015112311 A 20150120; US 201715492300 A 20170420;
US 202016800404 A 20200225; US 202217735572 A 20220503